

TECHNICIAN'S CHECKLIST
SECTION 540
PLANT-MIXED, CEMENT TREATED BASE COURSE

PROJECT: _____
 REVIEW DATE: _____

TECHNICIAN: _____
 REVIEWER: _____

ACTION	YES	NO	N/A	COMMENTS
Field inspection of Cement Treated Base Course (CTBC) construction involves the control of 5 factors: cement content, moisture content, mixing, compaction, curing.				
The Technician can easily monitor the control of these factors by organizing the inspection steps into a routine that fits in with the sequence of construction operations. The Geopavement Section may be consulted in the mixing and placement process.				
Have laboratory reports, plans, and Specifications been reviewed and correlated with job conditions?				
Have all soft subgrade areas been corrected? Has the roadway been shaped? Have manhole covers and other obstacles been removed or lowered?				
Is all of the construction equipment properly adjusted and in good working condition?				
For plant-mixed CTBC, is the central mixing plant properly equipped with metering devices to control rates of flow (continuous-flow type pugmill)?				
For plant-mixed CTBC, has the central mixing plant been properly calibrated?				
A ½ gallon sample of cement should be obtained at a minimum frequency of one (1) sample per day provided the cement placed that day is from the same lot. The sample must be obtained from the discharge line.				
Is the CTBC mixture between optimum moisture and 1.5% above optimum moisture?				
Is the mixture uniform and thoroughly mixed? Is the width and depth of treatment according to the plans?				
Is the finished surface moist, dense, and free of compaction planes?				
Is the CTBC mixture at the transverse construction joint well-mixed and compacted?				
Is the specified density and depth of CTBC being achieved?				
Is one of the approved curing seals being used and is sufficient curing material for complete coverage being applied? Where subjected to traffic, has the bituminous material been sanded sufficiently to prevent pickup?				
Have all defects been repaired for full depth of treatment?				
Record in field notebook station number, placement location, Sample Number and test results.				